



Virginia Department of Education

High School Technology Capacity

Preliminary Results 11/29/2000



2000 Capacity Survey

High School Technology Capacity

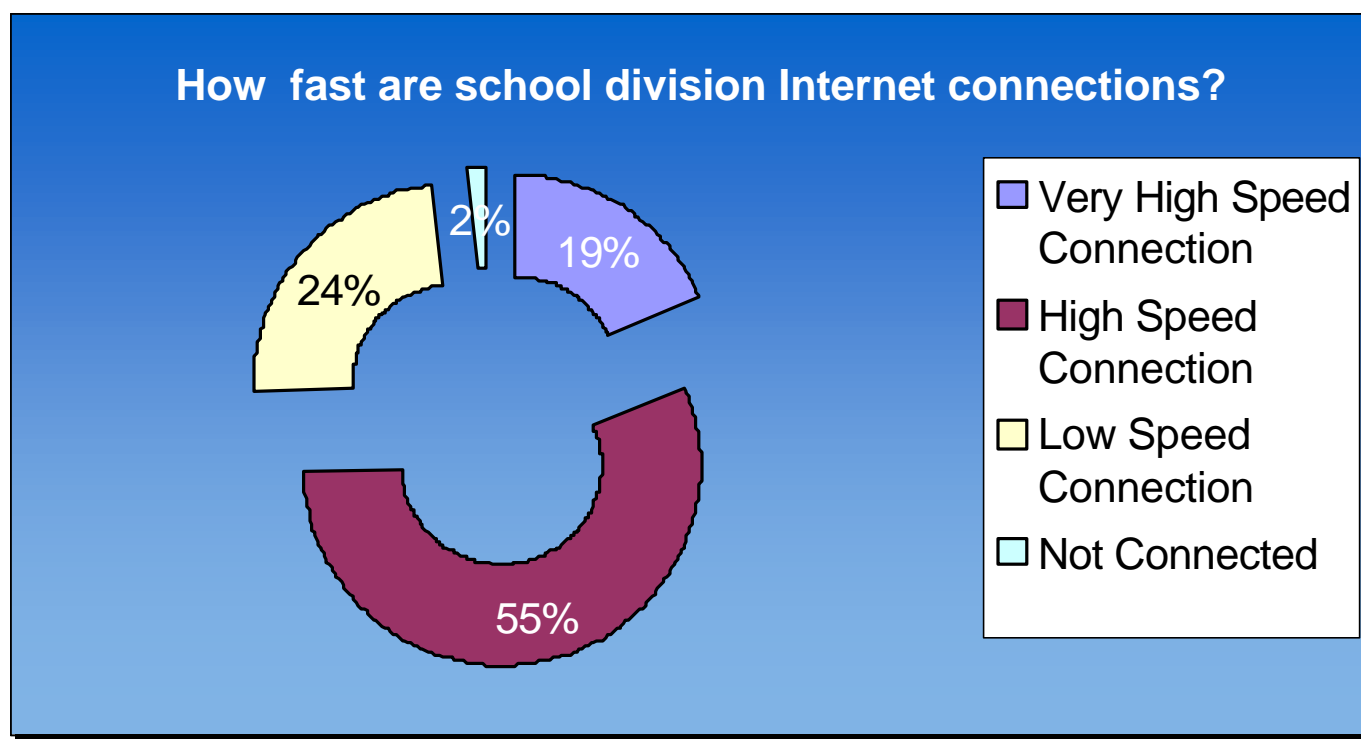
- **Student to Computer Ratios**
- **in-Building Network Capacity**
- **District Wide-Area Network Capacity**
- **Internet Connection Capacity**
- **Technology Support Staffing**





2000 Capacity Survey

School Division Internet Connectivity



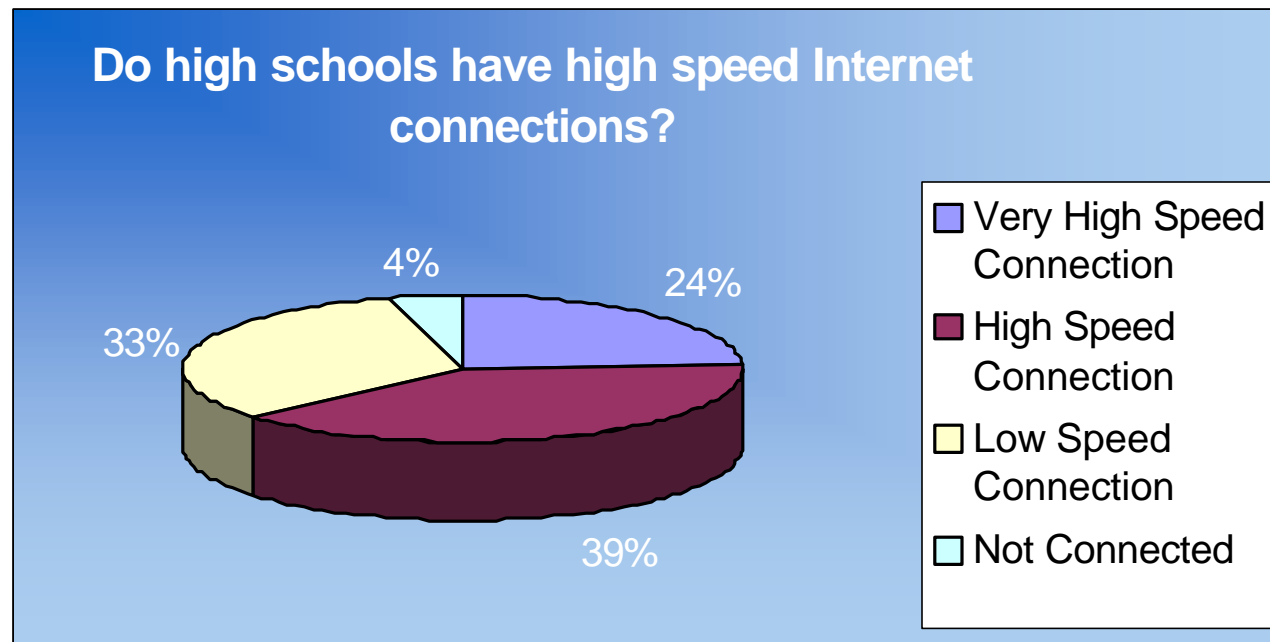
www.pen.k12.va.us/VDOE/Technology

(preliminary as of 11/29/2000)



2000 Capacity Survey

High School Internet Connectivity



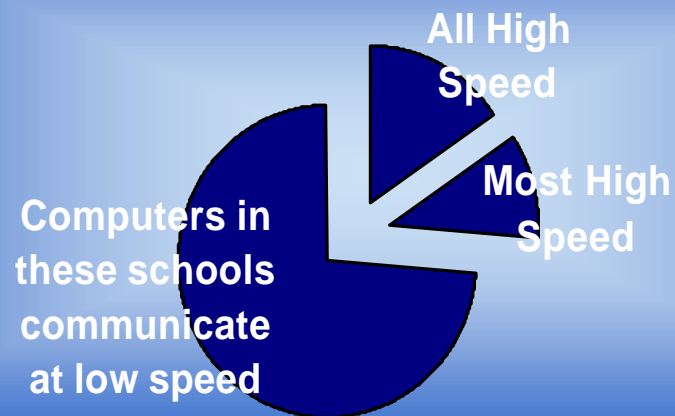
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(preliminary as of 11/29/2000)

2000 Capacity Survey

High School LAN Capacity

How fast do computers communicate on High School LANs?



High speed means that computers communicate at 100 million bits per second.

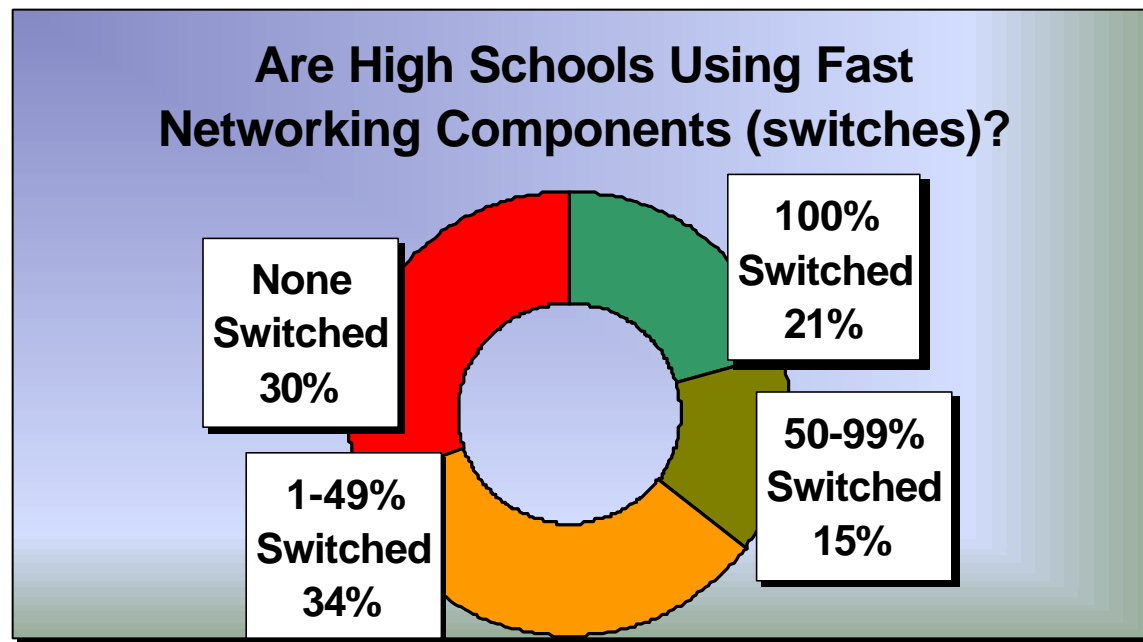
Low speed means that computers communicate at only 10 million bits per second.

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2000 Capacity Survey

High School LAN Capacity Use of Fast LAN Technology



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2000 Capacity Survey

High School LAN Capacity Available Ports in Classrooms

Ports per room	1.46
Computers per room	1.28



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(preliminary as of 11/29/2000)



2000 Capacity Survey

Positions to Support Technology in High Schools

FTE Positions per High School	.73
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FTE Positions per 100 instructional computers	.35
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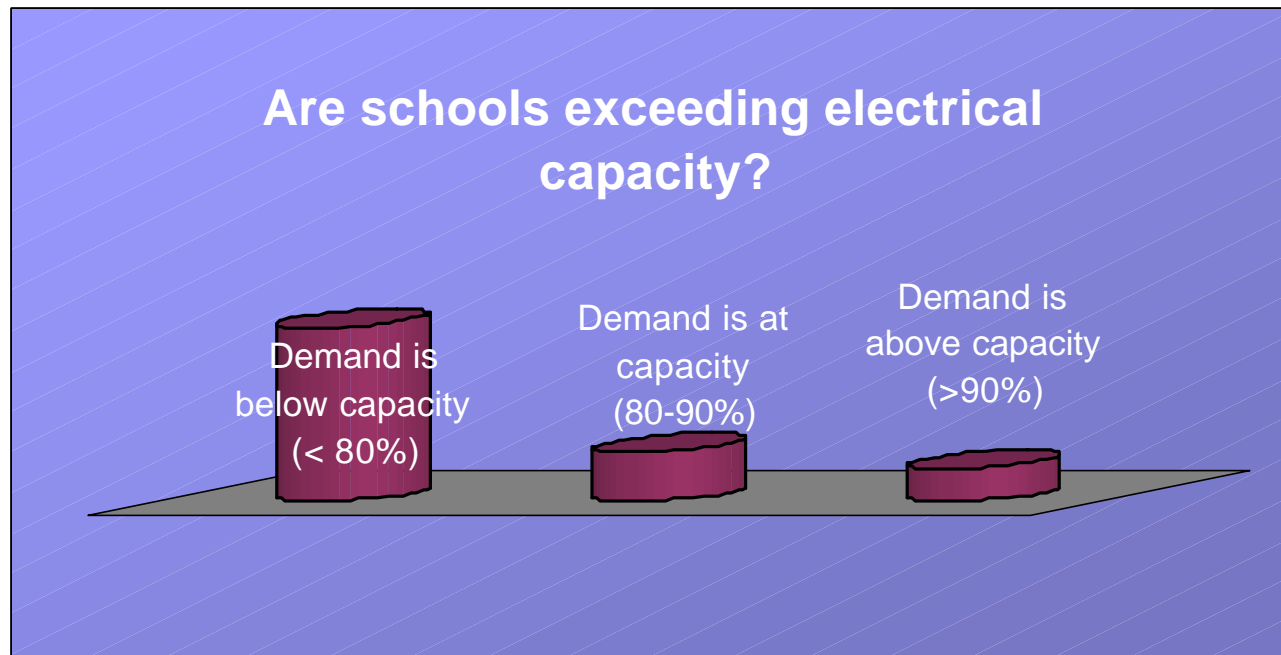


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2000 Capacity Survey

High School Building Electrical Capacity



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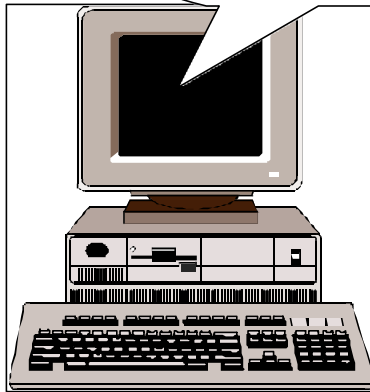
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2000 Capacity Survey

**What is the student to Internet
computer ratio in High School
classrooms?**



**GOAL
5:1**



**TODAY
15:1**



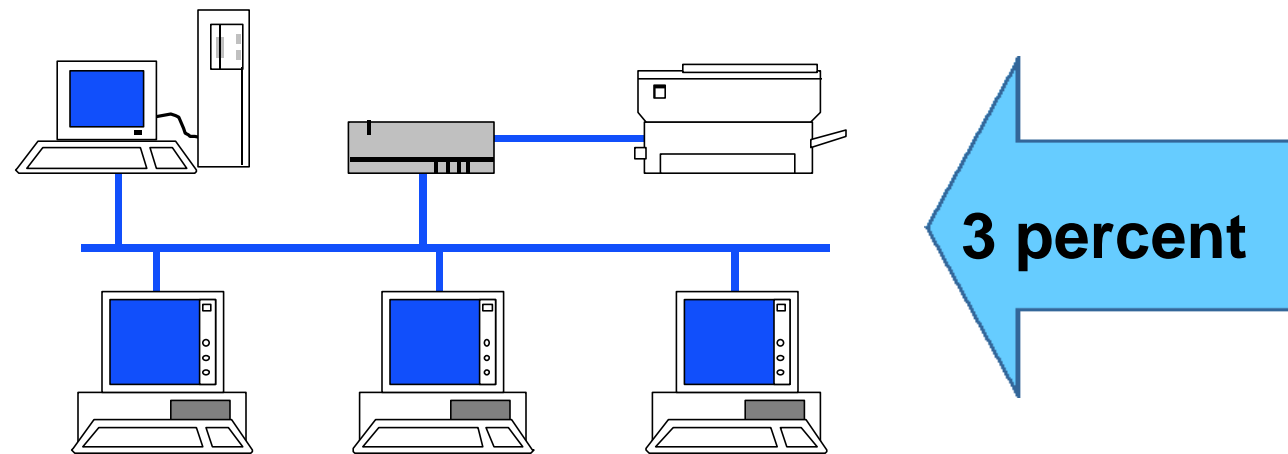
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2000 Capacity Survey

Are High Schools using thin client technology?



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2000 Capacity Survey

High School Classrooms with Phones



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2000 Capacity Survey

Digital Videoconferencing Capability

64 High Schools



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